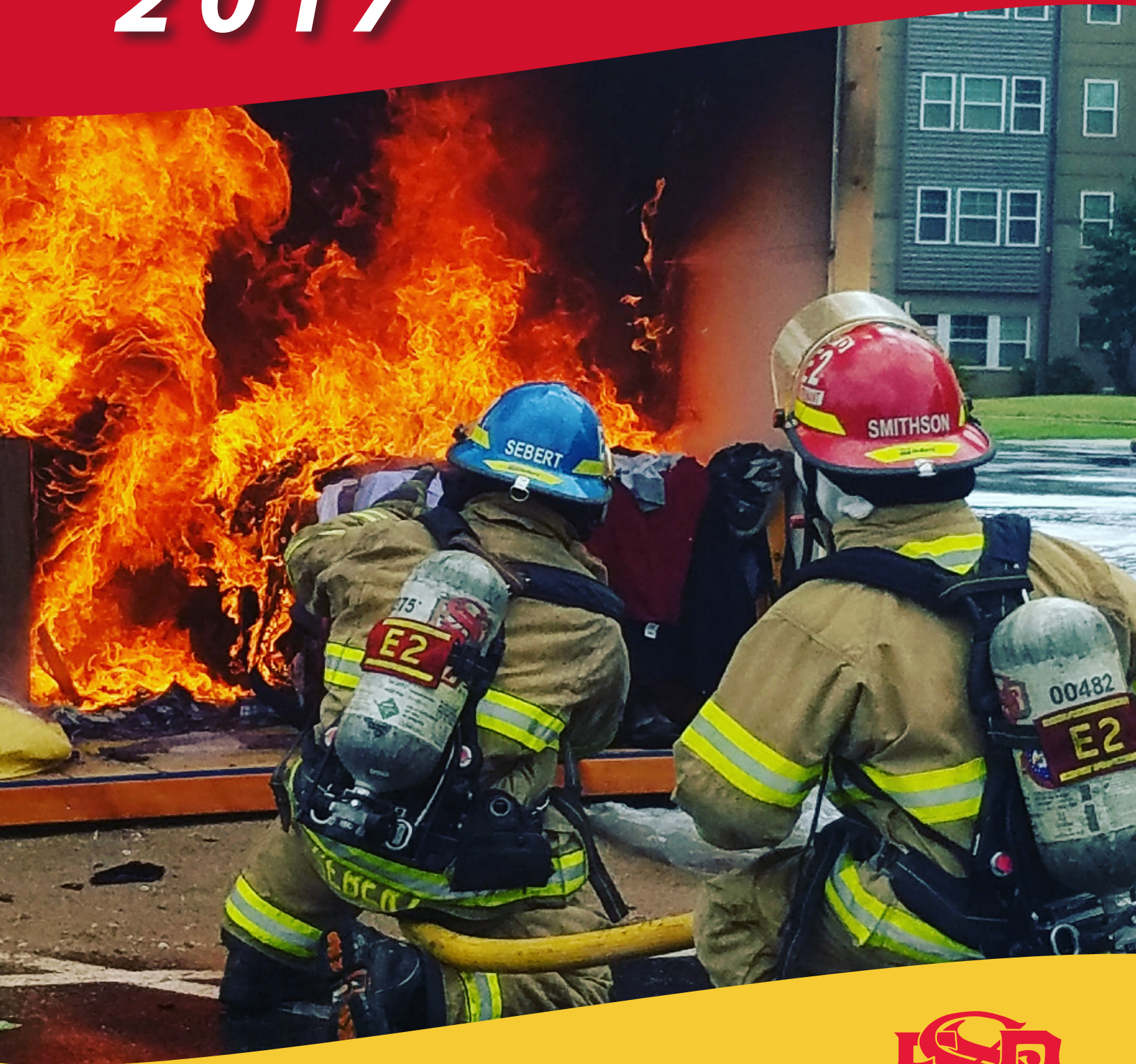


Springfield Fire Department Annual Report 2017



Commission on
Fire Accreditation
International

The SFD is accredited through CPSE/CFAI

SFD
CITY OF
Springfield FIRE



Message from the Chief

Fire Chief David Pennington

It is my pleasure to present the Fire Department annual report for 2017. It was a year of leadership transition for the SFD, and an active year by the Fire Department within our community. As a department, there are four organizational priorities that I have established to focus our vision and direction, which are: Community Risk Reduction, Customer Service/Community Focus, Emergency Preparedness and Response, and Professional Development and Succession Planning. The SFD is a 235 member customer service agency, and we are focused on providing exemplary customer service, directing our efforts in the community to reduce the risks associated with fires and emergencies. Our Community Risk Reduction Division launched 'Project RED

Zone' to target the neighborhoods of highest risk for fire through our free smoke alarm program, in addition to growing our partnership with the Springfield Public Schools, providing fire safety education to more students than ever before. Our Training Division continues to provide high-quality education and training to ensure our Firefighters are prepared to meet the current response needs of our community, and the needs of the future through the implementation of a system for professional development and succession planning.

I am thankful for the support of our community with the continuation of the level property tax which will provide for the needs for sustainment of fire apparatus and equipment, and for growth of

the Fire Department into underserved areas of our community. We are also taking a careful look inward, beginning the process for agency re-accreditation, evaluating all areas of organizational performance and service delivery.

I look forward to all that we will accomplish in 2018. It is a privilege to serve as your Fire Chief.

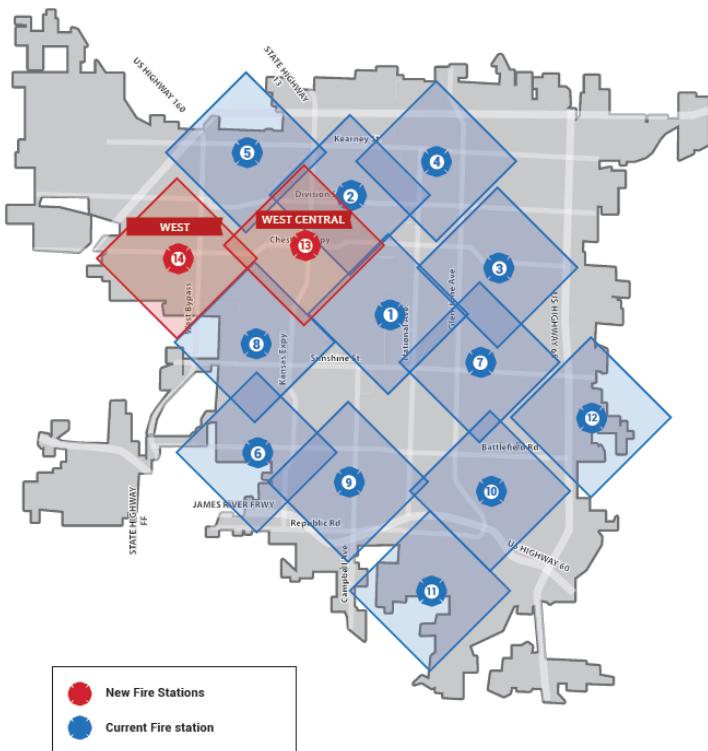
Be safe,

David Pennington
Fire Chief

2017 BY THE NUMBERS

# Full-time Employees	235
Total Budget	\$20.3 million
Total calls	17,592
ISO Rating	2
Cost per capita	\$121.74

Springfield Fire Stations



*Thank you
for your support!*

Level
PROPERTY TAX
RENEWAL

**CITY OF
Springfield**



**Springfield
POLICE**



**CITY OF
Springfield FIRE**

Voters approve level property tax

The City of Springfield will continue "working as promised" thanks to the passage of the 27-cent level property tax. On November 7, voters approved the continuation of the tax which will fund a number of Fire Department improvements. These include:

- Build and staff two new fire stations in west and west-central Springfield
- Replace two fire stations in north and east Springfield

- Pay for equipment for fire department facilities and employees
- Repair and upgrade other existing fire stations

The Level Property Tax generates about \$8.5 million a year and is used to primarily fund projects via issuance of debt, with bonds issued and paid off over multiple years. Previously, the City did not have a funding source for most of its lifecycle replacement needs.

Fire Department welcomes new members to command staff

On May 26th, David Pennington was sworn in as Chief of the Springfield Fire Department. Chief Pennington replaced David Hall, who retired from the department in February.



A fire chief search committee comprised of City staff, Liberty Fire Chief Mike Snider and local emergency service agencies highly recommended Chief Pennington. Pennington first joined the Department in 1998. He served the Department as a Firefighter, Res-

cue Specialist, Truck Company Captain, Fire Captain, Battalion Chief and Assistant Chief of Operations prior to his promotion to Fire Chief.

Following his swearing in as Fire Chief, Chief Pennington had the task of filling several key positions within the Department.

Springfield Fire Department (SFD) Division Fire Chief of Training, Olan Morelan, has been appointed as the Assistant Fire Chief of Support Services. Assistant Chief Morelan has served the City of Springfield since 2002. He has held the ranks of Firefighter, Equipment Operator, and Training Captain prior to taking over the leadership of the Training Division in 2016. His appointment was effective Aug. 6, 2017.

In October, the Department welcomed Bryan Newberry as Assistant Fire Chief of Operations. Prior to coming to Springfield, Chief Newberry served as Chief of the Department for the Battlefield Fire Protection District. Chief Newberry served in the United States Marine Corps, and is currently an officer in the Naval Reserve. He has a graduate degree from Grand Canyon University, and is a graduate of the National Fire Academy Executive Fire Officer Program.

SFD Battalion Fire Chief, Kevin Trogdon, was promoted to Division Fire Chief of the Community Risk Reduction Division in September. Chief Trogdon has served the City of Springfield since 1996. He has held the ranks of Firefighter, Equipment Operator, and Fire Captain prior to taking command of the 1st Battalion, A-shift, in 2009.

Finally, Fire Captains Eric Latimer and Heith Aldridge were promoted to Battalion Fire Chief. BC Latimer took over command of the 1st Battalion, A-shift. Prior to his promotion, Chief Latimer served as the Captain of Rescue 1, and as a Team Leader of the Technical Rescue Team.

BC Aldridge is in command of the 8th Battalion, A-shift. Prior to his promotion, Chief Aldridge served as the Captain of Truck 8, and has served as a member of the Hazardous Materials Team.

A formal swearing in and pinning ceremony was held to recognize the new members of command staff on October 17th.



From left: Battalion Chief Heith Aldridge, Battalion Chief Eric Latimer, Division Chief Kevin Trogdon, Assistant Chief Bryan Newberry, Assistant Chief Olan Morelan and Fire Chief David Pennington.

Emergency Preparedness and Response

OPERATIONS BY THE NUMBERS

# of fire stations	12
# of line fire companies	16
# of line duty personnel	220
# of Promotions in 2017	30

The day of the week with the highest call volume in 2017 was Friday. The busiest month of the year was October.

Springfield Fire Department Takes Steps to Reduce Job-related Injuries

Each year, Springfield Firefighters perform a physical agility test (PAT) to ensure they can meet the physical requirements of the job. Beginning in 2017, instead of solely focusing on meeting the requirements of the job description by doing basic tasks, they were evaluated on how safely they move during those firefighting activities.



Tasks will still need to be completed within a defined time period, however, peer fitness trainers (PFTs) are now looking for how the tasks are performed in a normal practice movement, followed

by the same task performed under stress and load in the timed event.

The new process offers feedback to the individual firefighter as well as data to identify movement trends, both good and bad. The goals are:

- Injury reduction and avoidance, resulting in longer careers, less time off for injuries and minimize impact on personal life;
- Safer operations in the field and in life;
- Reduce workers' compensation costs;
- More efficient use of abilities.

Springfield Firefighters have access to numerous documents, illustrations, and personal training opportunities to ensure they are properly prepared before the physical agility test. The Department utilizes PFTs to promote health and safety for all personnel.

6 MINUTES 20 SECONDS

How long it takes SFD firefighters to arrive at fire scenes, 90% of the time. (Time calculated from alarm to arrival.)

Fire Department Awarded SAFER Grant

In 2017, the Springfield Fire Department received a \$654,505 federal grant to add seven additional firefighters to the department.

The Staffing for Adequate Fire and Emergency Response (SAFER) Program is funded through the Department on Homeland Security. It provides for salaries and benefits for the seven positions for three years, with a local match of 25% in the first two years and 65% in the third year, totaling \$406,856. The total cost of adding the additional firefighters for the three-year period is \$1,061,361. The City expects to retain these positions at the end of the three-year grant cycle.

The grant provides the increase in staffing required for the addition of a new fire station in the West Central area of Springfield.

Tower Provides New Training Opportunities for Firefighters

Construction was completed on a new four-story, \$600,000 training tower at the Springfield Fire Department Training Annex located at 3131 S. Clifton.

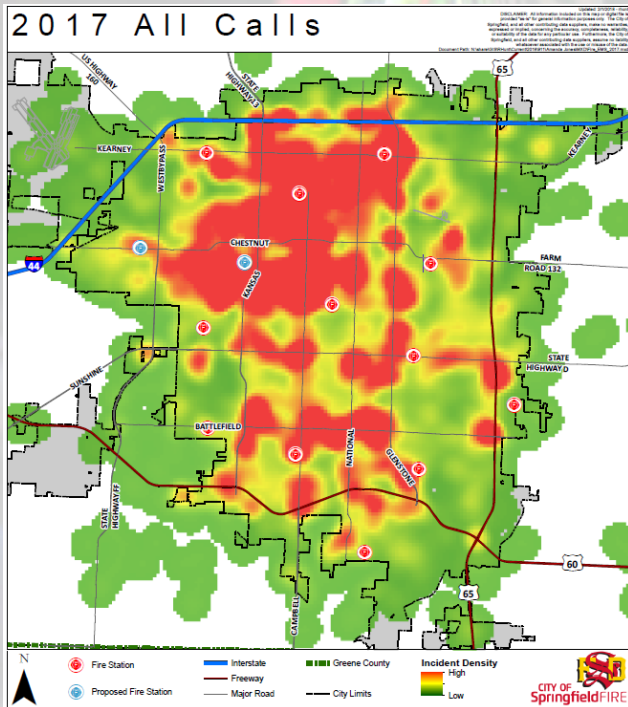


The tower replaces the more than 60-year-old tower at 1201 S. Campbell. The new tower features multiple stairwells, a residential training prop, ventilations props, forcible entry training area, and more.

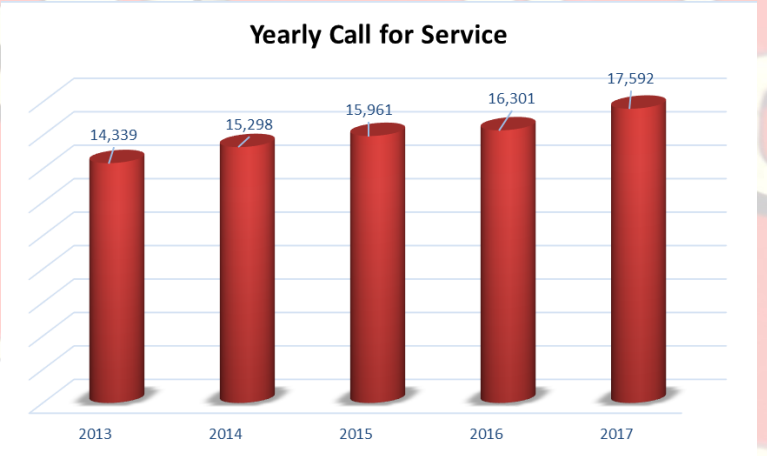
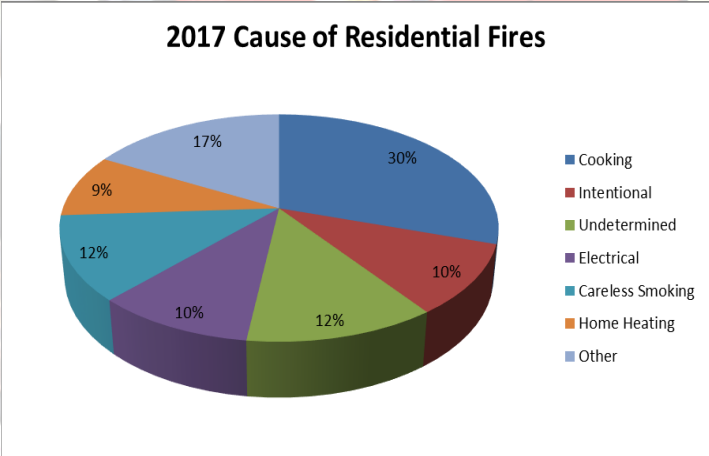
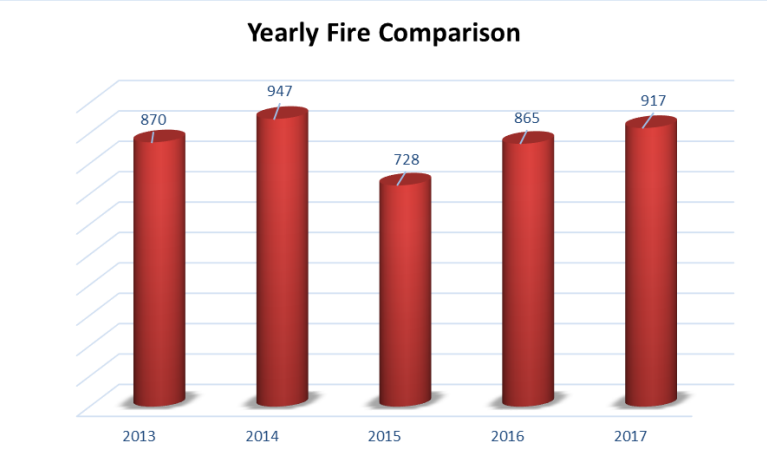
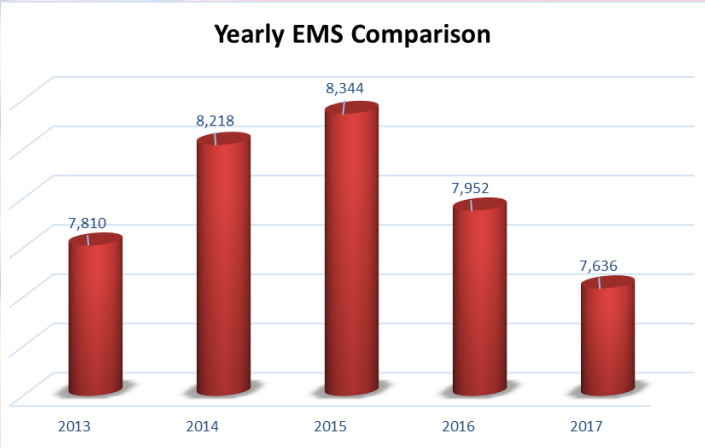
This tower has been designed to be versatile, with a heavy emphasis on providing firefighters with the basic skills they need to serve the public.

The training tower will be utilized by various agencies throughout the state and region. The Springfield Fire Department has established training partnerships with Missouri Division of Fire Safety, Ozarks Technical Community College, University of Missouri Fire and Rescue Training Institute, Greene County Fire Training Association, as well as many individual regional fire departments and police agencies.

The project is funded through the City of Springfield's level property tax.



In 2017, a fire engine was added to the 1st alarm fire response for house and building fires. Adding another unit to the 1st alarm provides more resources on scene to save lives, control damage, improve responder safety and better meet the needs of citizens.



Community Risk Reduction

CRR BY THE NUMBERS

Fires investigated	209
Bomb Calls	80
Plans Reviewed	515
Building Inspections	1722
Free Smoke Alarm Installations	2,902
Free Battery Installations	913
Residential Fire Safety Surveys	91
Fire Extinguisher Training/Giveaway	211

In 2017, SFD's Prevention Division was formally renamed the Community Risk Reduction Division.

Project RED Zone contributes to reduction in home fires



In 2017, residential fires, fire-related injuries and fatalities fell to a 10-year low in the City of Springfield.

Many factors have contributed to the declining numbers, including Project RED Zone.

Project RED Zone is an aggressive community risk reduction campaign aimed at reducing home fires.

In April, Springfield fire crews began canvassing neighborhoods with a high fire risk every Saturday afternoon. During these visits, they knocked on doors, checked smoke alarms and installed new ones if needed.

In 2017, firefighters installed more than 1,000 alarms during RED Zone canvasses of neighborhoods including West Central, Grant Beach and Roberson. Crews will begin 2018 in Heart of the Westside and continue throughout neighborhoods with a higher than average number of home fires.

Project RED Zone contributed directly to at least 3 saved lives in 2017. In two separate incidents, 3 occupants were notified of a fire in their homes by the sound of a smoke alarm installed by SFD crews during Project RED Zone canvasses.

The program has contributed to other successes as well. In 2017, there were 218 home fires in Springfield, down from a high of 288 in 2008. There were 12 fire-related injuries, compared to a high of 20 in 2009. In 2017, no one died as a result of a fire in

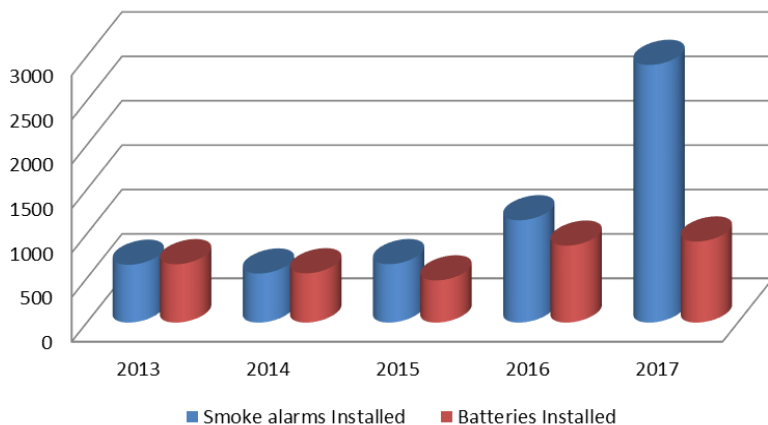
their home. The City did, however, have one fire-related fatality. Tragically, a man died from injuries sustained when gasoline fumes ignited at a gas pump in November. In 2016, 5 people died in fires in the City of Springfield. The average number of fire-related fatalities per year in Springfield is 3.2.

Along with fire-related injuries and deaths, nearly every major category of home fires were down in 2017 compared to 2016. Cooking fires fell nearly 10%, but remain the leading cause of home fires in Springfield. Electrical fires fell 13%. Of all the major fire types, only careless smoking and home heating fires posted increases in 2017 over the year prior. Approximately 12% of home fires are caused by careless smoking. Another 9% are caused by home heating.

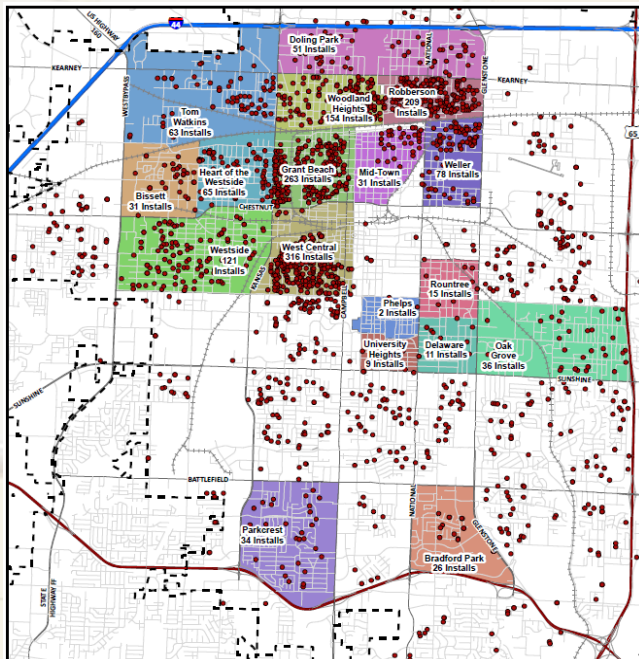
3 LIVES SAVED... AND COUNTING

During Project RED Zone canvasses, Springfield firefighters have visited 6,567 homes, tested 2,121 smoke alarms and installed 1,091 free smoke alarms.

Battery/Smoke Alarm Installations



Project RED Zone was made possible with smoke alarm donations from the American Red Cross, SafeKids Springfield, Creasian Chinese Restaurant and M...WAH (More Wishes and Hugs)



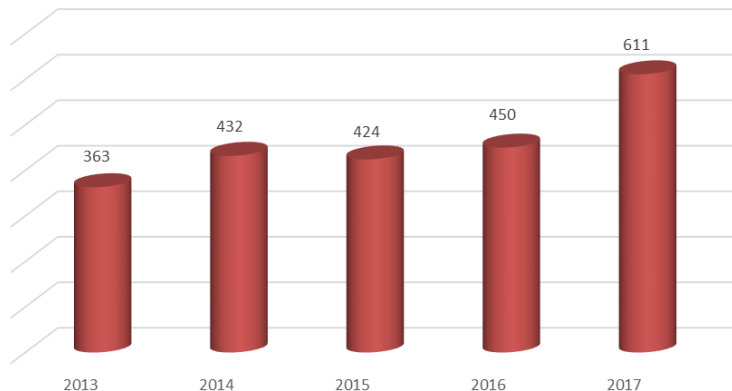
Each red dot indicates the location of a new smoke alarm install. In 2017, firefighters installed a record number of smoke alarms in Springfield homes.

Springfield's 5 Fire Marshals enforce the city's fire code along with state and federal laws related to arson and other fire-related crimes. In 2017, fire marshals cleared 26.5% of arson cases, above the national average of 21%.

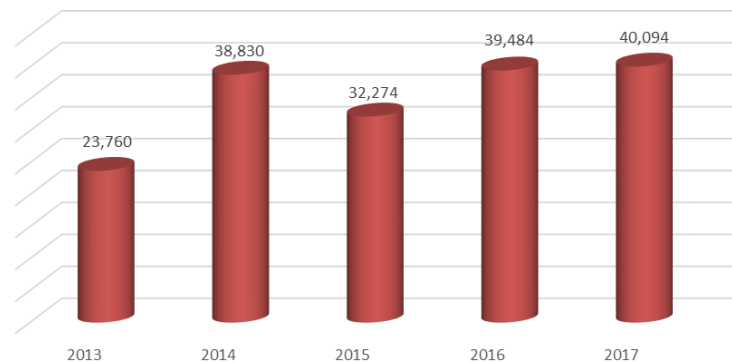
Enforcement campaign aims to reduce overcrowding

Throughout 2017, Springfield fire marshals worked to reduce the potential effects of overcrowding. During major events such as pub crawls, fire marshals patrolled Springfield entertainment districts, ensuring that bars, nightclubs and restaurants were not overcapacity. During these patrols, fire marshals discovered another safety concern—loft parties. In numerous instances, tenants were hosting parties at their lofts, allowing the properties to become tremendously overcrowded. In one case, fire marshals counted 498 individuals in a loft apartment designed to hold just 25 people. In all, fire marshals cited 5 individuals for violating ordinances related to overcrowding. Overcrowding is to blame for numerous mass casualty incidents in this country and fire marshals hope their proactive approach helps protect Springfield citizens.

PUBLIC EDUCATION EVENTS



Number of People Reached during public education events



Firefighters visit record number of students during Fire Prevention Month



They provided age-appropriate fire safety lessons to 12,245 Springfield students in more than 400 classrooms of 40 schools.

The program is made possible with the help of more than 40 Springfield firefighters who volunteer to spend their on-duty days teaching children fire safety.

Springfield Fire Department educators visited a record number of students during Fire Prevention Month in October.

The firefighters incorporate hands on learning to the experience. Young children learn the basics of knowing the sound of a smoke alarm. By the time children finish the program in 5th grade, they are learning the components of the fire triangle and how to use it prevent fires in their homes.

At the end of the visit, students are invited to turn in a form asking if they have smoke alarms and if not, if they'd like them installed at no charge by Springfield firefighters. Those who turn in their forms are entered to win a ride to school in a fire engine. In November 12, lucky kids from across the city won this opportunity.

Community Engagement

5 New Vehicles Join SFD Fleet

During 2017, the Springfield Fire Department placed 5 new apparatus into service. Early in the year, Engine 5, 7 and 8 joined the fleet, replacing aging front-line engines.



Mayor Ken McClure and Captain Clint Hunt wash Rescue 1 during a traditional ceremony.

Later in the summer, Rescue 1 joined the fleet and during the fall, Hazmat 12 went into service.

With these new vehicles, the Fire Department began a new tradition for putting apparatus into service known as a “wet down ceremony.” A longstanding tradition in the fire service, the “wet down” is a ceremonial process in which firefighters and community members officially place into service a new fire apparatus by anointing it with water sprayed from the retiring unit.

This ritual dates back to the late 1800’s when horse drawn pumpers were used throughout the nation’s fire service. After being called to duty and extinguishing the flames, firefighters would return to the station tired and with a dirty fire engine. The community that lived in the neighborhood



and around the station would come out and help wash the engine and the horses. They would then help push the engine back into the station.

After being wet down, community leaders and neighbors dried the trucks and symbolically pushed them back into the station and into service.

Community Engagement

Fire Station tours:

143

Community events attended:

149

Google results for “Springfield MO Fire Department”:

34,000

Facebook followers:

 **6,132**

Twitter followers:

 **2,287**

Instagram followers:

 **345**



What **MO** are you doing?

MOVEMBER**SGF**.COM

In November, the Springfield Fire Department partnered with the Springfield Greene County Health Department to promote men’s health.

Social isolation is a real problem that can affect your mental, emotional, and physical health.



IT’S TIME TO
MAKE MAN TIME

Call a friend you haven’t talked to in a while, work out with a friend, or join a new group or club. Spending time with other men will help you live a longer, healthier, happier life.

Get more ideas at **MOVEMBER**SGF**.COM**

Fire Department Hosts “Truck or Treat”



In October, the Department partnered with the City of Springfield Public Information Office and the Springfield Greene County Park-board to host the first ever “Truck or Treat” event. The event was a huge success! More than 2,500 adults and children of all ages attended.

In addition to games, food and candy, those who attended could visit one of the 6 fire apparatus on display, see the bomb robot, meet firefighters, bounce in the Logan-Rogersville Fire Protection District’s hazard bounce house, decorate pumpkins, get free Culver’s ice cream and coupons and more.



Awards and Recognition

Springfield Fire Marshals Receive National Recognition



The Springfield Fire Department is proud to announce that Fire Marshal Bill Spence has graduated from the National Fire Academy's (NFA) prestigious Executive Fire Officer Program (EFOP). EFOP enhances the professional development of students through a series of four graduate and upper-division-baccalaureate equivalent courses taken

over a four-year period.

Each course is two weeks in length and an Applied Research Project (ARP) must be completed after each of the four courses. Fire Marshal Spence has served on the Springfield Fire Department for more than 22 years. He has served as a Fire Marshal since 2003.

Also in 2017, Fire Marshal Ben Basham was professionally credentialed and received designation as a Fire Marshal by



the Center for Public Safety Excellence (CPSE). This internationally-accepted model recognizes professional accomplishments and competence in his field of work and expertise. FM Basham is in a select group of 130+ peers across the country. FM Basham has served on the Department since 1998 and has served as a Fire Marshal for 12 years.

Chief Pennington accepted into Fire Service Executive Development Institute

In November, the International Association of Fire Chiefs announced that Chief David Pennington was accepted into the Fire Service Executive Development Institute. Chief Pennington competed with new fire chiefs and chief officers from across the country to become a member of the 2018 cohort program. Along with being accepted into the program Chief Pennington has been awarded a scholarship which covers the expenses for attending the program. He is one of only 20 fire chiefs from across the country to be selected for this program.



The Fire Service Executive Development Institute is a year-long leadership-development program created and implemented by the IAFC to provide new and aspiring chiefs with the tools they need to have successful and productive tenures. The members of the cohort will meet in December, 2017, for their first 6 day session. They will meet for 2 other sessions scheduled six months apart. The group will communicate between sessions using an online community.

2017 Fire Officer of the Year



Training Captain Justin Merritt was named Springfield's Fire Officer of the Year for 2017. Among one of his many duties as training captain is to provide initial training and upgrade training for all firefighters. He is responsible for creating the schedule for 34 weeks of fire academy and advanced academy which involves the acquisition of resources, scheduling of instructors and preparing lesson plans and curriculum. In his nomination letter, Assistant Chief Olan Morelan wrote, "His actions represent the ideal of what a SFD officer should be. His example positively sets the stage for new firefighters." Captain Merritt has been with the Department since 1995.

2017 Firefighter of the Year



Equipment Operator Micah Tannery is 2017's Firefighter of the Year. Nominated by Lt. Kris Tate, EO Tannery is described as having a work attitude that is "one that most of us should strive to emulate." As Air Van Operator, EO Tannery has demonstrated his dedication to keeping up with the never-ending task of ensuring that Springfield Fire Department's SCBAs are functioning correctly to ensure the safety of his fellow firefighters. He also demonstrates his attitude of teamwork regularly. According to Lt. Tate, "we all should use him as an example of what work ethic, attitude and professionalism and most of all what a decent human being is." EO Tannery has been with the Department since 2003 and was promoted to his current position in 2015.

2017 Retirees

David Hall
Chief

Randy Villines
Assistant Chief

Bradley Eden
Battalion Chief

Kevin Smart
Battalion Chief

Julie Williams
Battalion Chief

Kevin Binam
Fire Marshal

Gerry Koeneman
Rescue Specialist

Brian Schafer
Rescue Specialist

James Lane
Engine Operator

Bradley Karr
Engine Operator



Commission on
Fire Accreditation
International



Springfield Fire Department's Mission

*We are the Springfield Fire Department,
a professional organization dedicated
to serving our community.*

Springfield Fire Department Values:

PROFESSIONALISM

INTEGRITY

COMPASSION

DEDICATION

COURAGE

